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PATENT AND INVENTION

INSTITUT FRANÇAIS DU PÉTROLE

HYDROCRACKING CATALYST COMPRISING A ZEOLITE Y NOT  
GLOBALLY DEALUMINIZED, AN ELEMENT OF GROUP VB,  
AND A PROMOTER ELEMENT CHOSEN FROM THE GROUP  
CONSISTING OF BORON, PHOSPHORUS AND SILICON

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ABSTRACT

The invention relates to a hydrocracking catalyst comprising at least one amorphous or poorly crystallized matrix of the oxide type, at least one element of group VB, preferably niobium, and at least one zeolite Y not globally dealuminized, at least one promoter element chosen from the group consisting of boron, phosphorus and silicon, optionally at least one element chosen from the elements of group VIB and group VIII, optionally at least one element of group VIIA. The invention also relates to the use of this catalyst for hydrocracking hydrocarbon feeds.